

01978

Actuator with output PWM 150 mA for driver LED control, relay output 12-24 V 10 A, power supply 12-24 V~ 50-60 Hz, or 12-24 V d.c., installation on DIN rail (60715 TH35), occupies 3 modules of 17.5 mm. Version for MARINE applications.

Actuator for driver LED with PWM control. The device is controlled by a rocker push-buttons. The device's maximum output current is 150 mA.

CHARACTERISTICS.

- Rated supply voltage: BUS 29 V
- Input: 10 mA
- Auxiliary supply: 12-24 V~ ± 10% or 12-24 V d.c. ± 10% (SELV)
- Consumption:
 - 12 V ~: 700 mA 12 V d.c.: 300 mA
 - 24 V ~: 700 mA 24 V d.c.: 250 mA
- Dissipated power: 3.5 W
- Distance between actuator and LED driver: 10 m max with twisted cable
- Terminals:
 - TP BUS
 - 12-24 V~ 50-60 Hz, 12-24 V d.c.
 - relay contacts (NO, C)
 - control PWM
- NO relay output
- Controllable loads at 12-24 V~ or 12-24 V d.c.:
 - resistive loads: 10 A (20.000 cycles)
 - LED spot lights: 10 A (20.000 cycles)
- Operating temperature: - 5°C - + 45°C (for indoor use)
- 3 modules of 17.5 mm.

CONNECTIONS.

The wire diagram (bottom right) shows an example of a connection an LED driver. Depending on the type of LED driver used, the connection of terminal + to the LED driver through the relay contacts integrated in device 01978 may not be necessary; in this case, connect terminal + directly to the electric phase. The feeding circuit of the relay output must be protected against overloads by a fuse with rated current not higher than 12 A.

CONFIGURATION.

FOR THE DETAILS OF INSTALLATION AND CONFIGURATION, SEE THE By-me SYSTEM INSTRUCTIONS MANUAL ATTACHED TO THE CONTROL UNIT.

- Functional blocks: 1; the block can belong to at most 4 groups.
- Selecting the functional block (configuration), when the control unit, during group creation, requires pressing the device button:
 - press the configuration button, the red LED will light up;
 - with the red LED on, the control unit will configure the functional block; at the end of this operation the red LED will go out.

PARAMETERS.

- Adjustment speed: low, medium or high.
- LED always off or on only with dimmer on.
- Parameter offset: minimum output voltage.
- Default parameters: dimmer actuator with medium adjustment speed, LED always off and offset of minimum output voltage.

SCENARIOS.

The actuator can belong to up to 4 different scenarios and, for each scenario, save the status to retrieve when activating the scenario.

INSTALLATION RULES.

Installation should be carried out in compliance with the current regulations regarding the installation of electrical systems in the country where the products are installed. For further instructions, please refer to the manual enclosed with the control panel.

CONFORMITY TO STANDARDS.

EMC directive
Standards EN 50428, EN 50491.

For **MARINE** use, this device has been submitted to the following tests:
IEC 60068-2-52 - Test Kb: Salt mist, cyclic (sodium, chloride solution),
IEC 60068-2-6 - Test Fc: Vibration (sinusoidal)

This device complies with part 15 of the **FCC** Rules (with the limits for a Class B digital device). Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable operation.

